

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Chan-soo HWANG, et al.

Group Art Unit: (Unassigned)

Serial No. (Unassigned)

Examiner: (Unassigned)

Filed: Concurrently

For: APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING SIGNALS
USING MULTI-ANTENNAS

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313-1450

Sir:

Submitted herewith on Form PTO-1449 is a listing of a document known to applicants in order to comply with applicants' duty of disclosure pursuant to 37 C.F.R. §1.56. A copy of the listed document is being submitted to comply with the provisions of 37 C.F.R. §§1.97 & 1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application. Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a prima facie prior art reference against the claims of the present application.

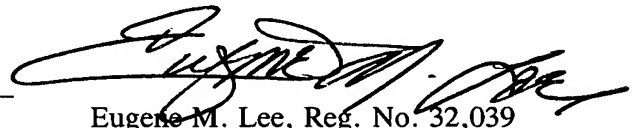
CONCISE EXPLANATION OF
RELEVANCE OF EACH DOCUMENT

The listed document is being submitted in compliance with 37 C.F.R. 1.97(b)(1), submission within three months of the filing date of the application.

Applicants respectfully request that the listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

Respectfully submitted,

Date: August 29, 2003



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PETITION and DEPOSIT ACCOUNT CHARGE AUTHORIZATION

This document and any concurrently filed papers are believed to be timely. Should any extension of the term be required, applicant hereby petitions the Director for such extension and requests that any applicable petition fee be charged to Deposit Account No. 50-1645.

If fee payment is enclosed, this amount is believed to be correct. However, the Director is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-1645.

Any additional fee(s) necessary to effect the proper and timely filing of the the accompanying-papers may also be charged to Deposit Account No. 50-1645.

Sheet L of 1

FORM PTO 1449 (modified)

ATTY DOCKET NO.
249/386

SERIAL NO.
Unassigned

U.S. DEPARTMENT OF COMMERCE

APPLICANT
Chan-soo HWANG, et al.

FILING DATE
Concurrently

GROUP
Unassigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

			BARROSO et al. - Blind Identification of MIMO Channels, etc., 1999, pages 70-74.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.